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GENE ACC. NO.	104038	K02056	M23442	304156	M68932	X78437	X91233	U32659	M31951	, M28879		U11821	X14885-91	A02137	M28879	M21121		$\left \cdot \right $
GENI	AACG	TAAA	ACAAG AATAT	AAIAI ACTTCCTC ATCAA	TAAAACTT	vag VTA	rgag	ر چرد		rG ⊤G∓C≜CCT	TCCAGAG	GA H	CATT	SAGTGTG	AIAAAG AGCC	rgittgg Catc	TIT	
E 5' TO 3'	TCGGAGTC	CTCTGGAGGAAGTGCTAAA	CACCATG/	JACTICAACACITIGAAIAI ITTAGGTATATCITTGGACTTCC STGTTCTTTAGTGCCCATCAA	CTCTTGGCAGCCTTCCT	GCAGGTG/ AGACAAG/	TTGAGTAA	TAGTGAAG	TCTCCATA	CTGCCGTGGATGCCTATG Seeca Accrecata a Atgreactr M28879	AGAGGGCC	3CCTGTGTCTCCTTGTGA	CCACCCIICIIAIACII	CTCAGAGIGITOCIALGGIG CCAGAGCATCCAAAAGAGTGTG	CTAGTTGGCCCCAGGC GCAATGCACGTGGCCCCAGCC	rttcacatrctggctctgttt cgcacgcctcgctgtcatc	CCAACCCA	
SEQUENCE 5' TO 3'	3GTGAAGGTCGGAGTCAACG	CTCTCGGAGGAAGTGCTAAA	TTCTACAGCCACCATGAGAAG	JAGCI COAACACI I I GAALAI ITTAGGTATATCTTTGGACTTC GTGTTCTTTAGTGCCCATCAA	TCTCTTGGCAGCCTTCCT A ATTCTCAGCCTTCTAAAACTT	GCCGTGGAGCAGGTGAAG AAGCCCAGAGACAAGATA	CCGTCCTTTCACTACTCC	GGAGGCCATAGTGAAGG	GGGTCGCTCTCCATAG CGGCTCACACTCACAGG	CTGCCGTGGATGCCTATG	TACACACAAGAGGCCTCCAGAGT	GCCTGTGT	GCCACCCI ICI IAIAC I I CTGCGGATCTCTGTGTC	CCAGAGCA	CIACITICO GCAATGCA	TITCACATTCTGGCTCTGTTGG	TGTACTCCCGAACCCATTT	
SIZE DIRECTION	SENSE (ANTISENSE SENSE ANTISENSE	SENSE	_		ANTISENSE SENSE	ANTISENSE SENSE	ANTISENSE	SEINSE	SENSE	ANTISENSE SENSE	ANTISENSE SENSE	AN IISENSE SENSE	ANTISENSE SENSE	ANTISENSE	
IZE DIF	20 SEN	20 SEP 20	_	25 SEIV	22 SEP 25 SEP	SEN SEN		IS AN	17 AN		24 SEI					22 AN 20 SEI		
	II V		LETION		NSE	lP1	STBI	3001091	/A II	<u>.</u>	UE I		¥	101		ANGE	1	
METHOD FOR CT	ENZYME HPA II	INSERT DNA	PRIMER DELETION 21	4-PRIMER	DOUBLE SENSE	ENZYME SSPI	ENZYME BSTB	ENZYME ECO01091	ENZYME AVA II		ENZY ME DDE	4-PRIMER	INSERT DNA	ENZYME ALU	4-PRIMER	DOHELE SENSE		
ME	EN	Ž	PR	4-F	DC	617 EN		E	回	Í	H	4-I	Z	亩			Š F	0
	496	!		2418 2418		518	•	Z 471	٥	431	-			510	529	404	ŀ	500 600
<u></u>	. 1313			4			204 OS.		38]∞c	321	06	NIL /			<u> </u>	400
A AND C	7	149 2178	727		172 ZZ					797		23,6	246 246			33	204	200 300 400
SIZE CDNA AND CT		71 723																100
										<u> </u>							HĹ	BP
SNE	PDH	5	s.t r	L-7	∞	01	15	17	RFORIN	MAZNA	INI F ZNIY	S-LIGAN	F-β1	λ- >	LA4	NTES		J
S	YE	5 <u>-1</u> 5	3 <u>1</u> 5	ら当も	i≟t	i≟t	; <u></u>	≟ڌ	り田	58	55	FA	7 2 2 1 1	ら色思	35	CT Z	C	J

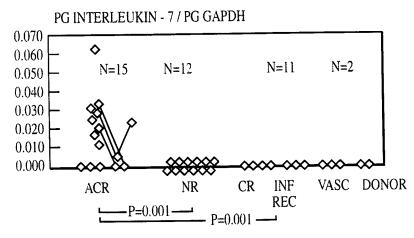


FIG. 2B

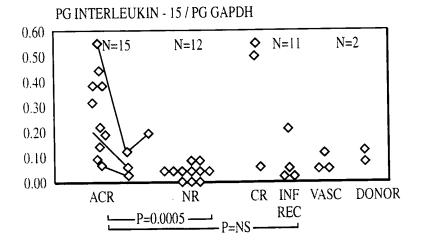


FIG. 2C

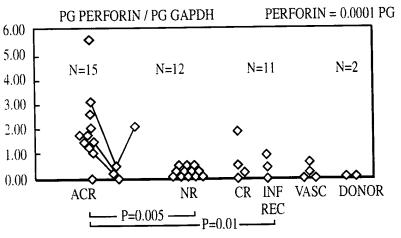


FIG. 2D

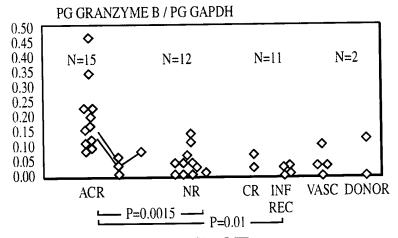


FIG. 2E

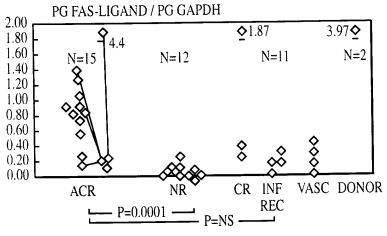


FIG. 2F

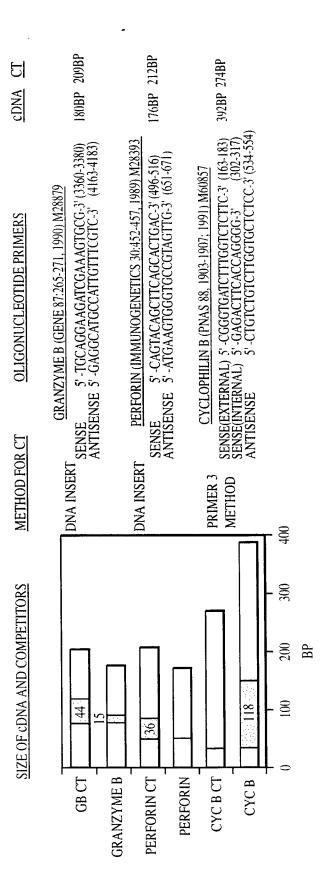


FIG. 3

A. PERFORIN mRNA

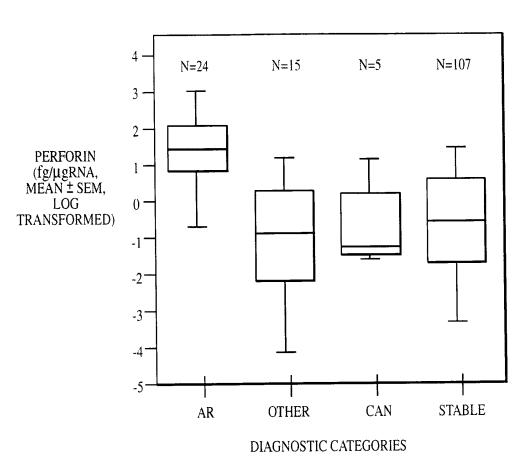


FIG. 4A

B. GRANZYME B mRNA

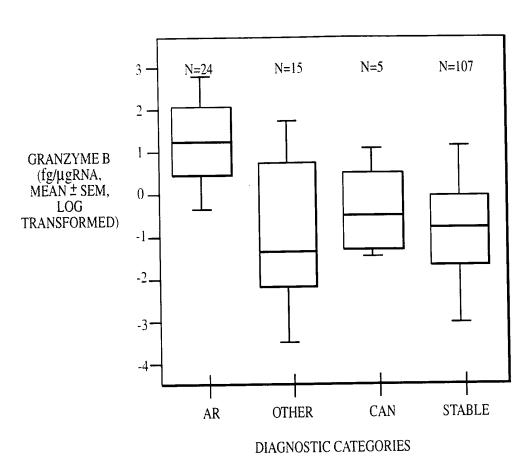


FIG. 4B

C. CYCLOPHILIN B mRNA

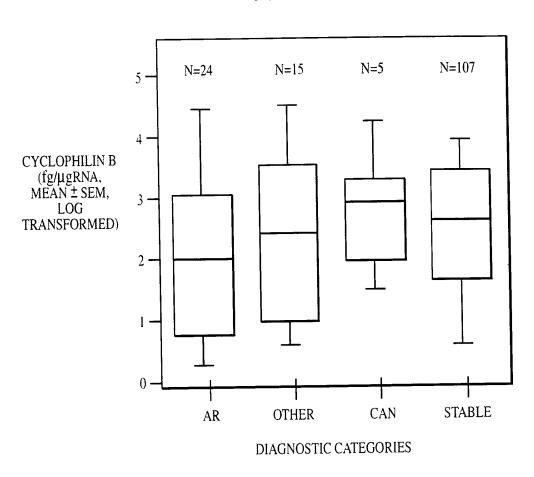


FIG. 4C

A. PERFORIN MRNA

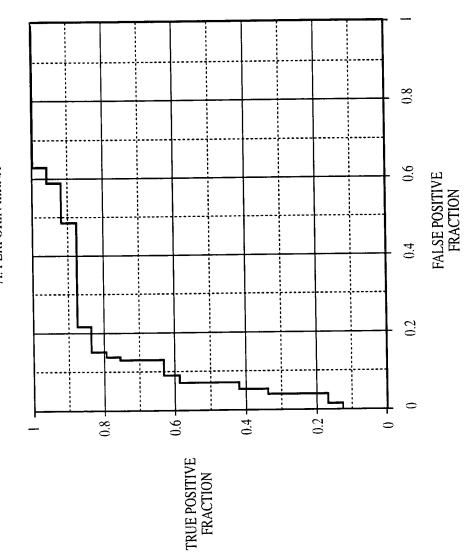


FIG. 5A

DS77773H LIDESD1

B. GRANZYME B IMRNA

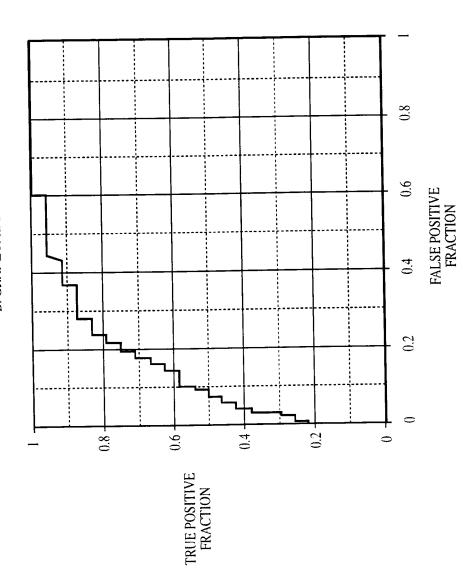


FIG. 5B

C. CYCLOPHILIN B mRNA

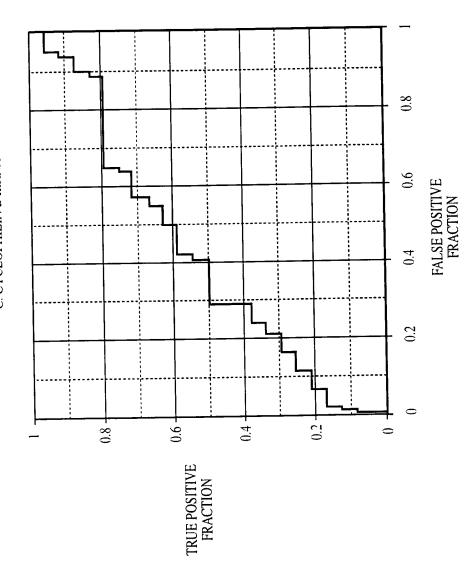


FIG. 5C

A. PERFORIN mRNA

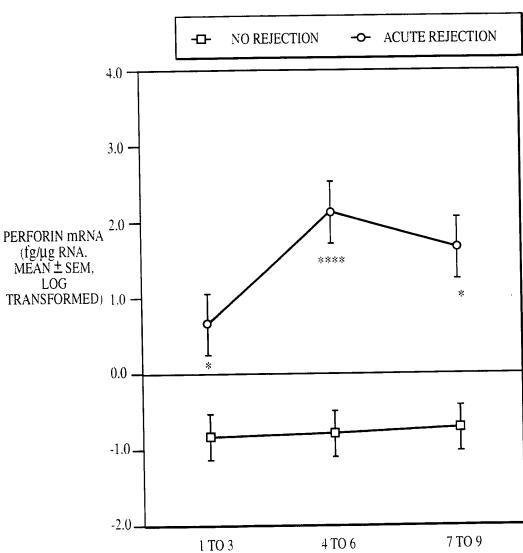


FIG. 6A

DAYS POST TRANSPLANT

DRAFTSHAN

B. GRANZYME B mRNA

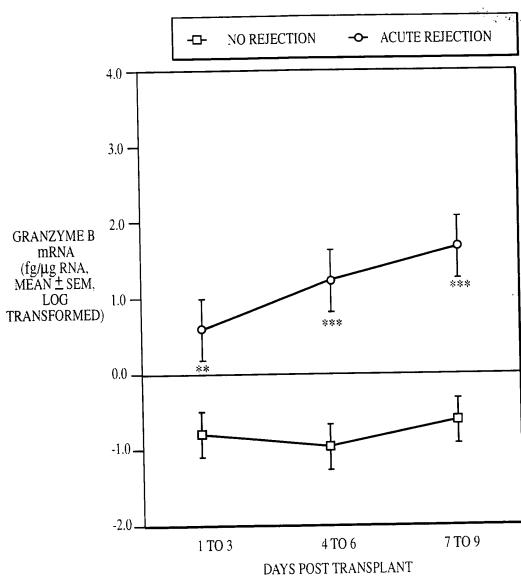


FIG. 6B

C. CYCLOPHILIN B mRNA

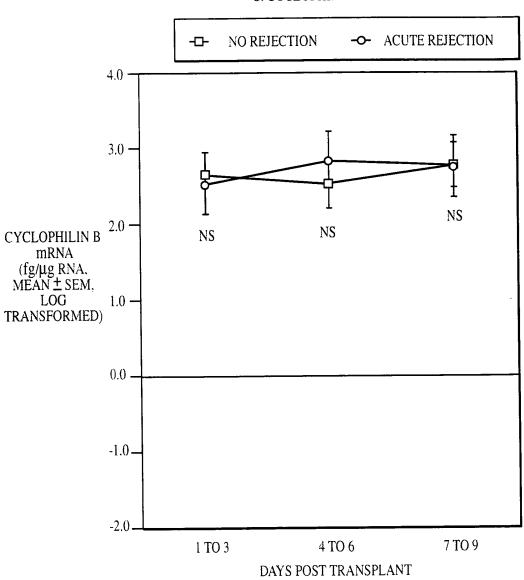
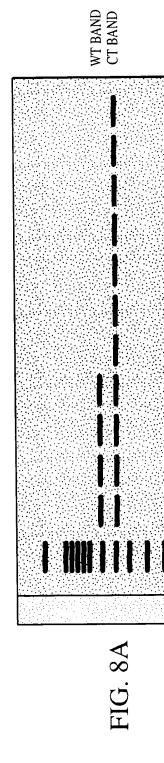
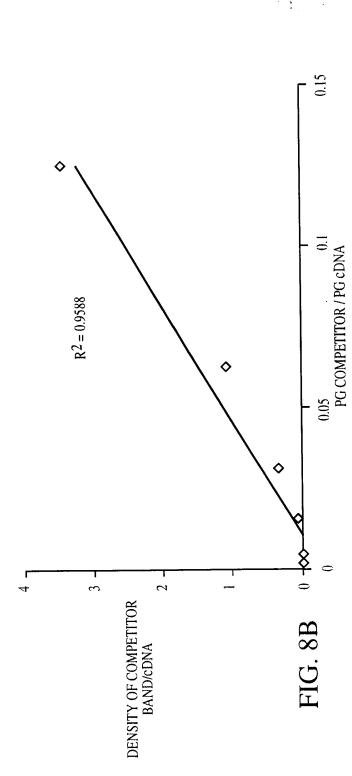
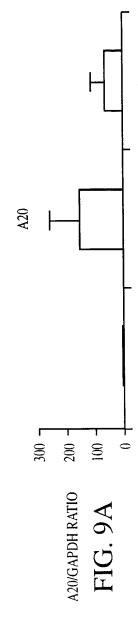


FIG. 6C

CI	400	360	440
<u>cDNA</u>	497	425	502
OLIGONUCLEOTIDE PRIMERS	A20 (J BIOL CHEM 1990; 265: 14705-8) M 59465 SENSE (EXTERNAL) S'-TTT GAG CAA TAT GCG GAA AGC-3' [33-53] SENSE (INTERNAL) S'-CAT GCA CCG ATA CAC ACT-3' [126-143] ANTISENSE	BCL-X _L (CELL 1993; 74: 597-608) Z 23115 SENSE (EXTERNAL) S'-CAG AAG GGA CTG AAT CGG AGA TGG A- 3' [247-270] SENSE (INTERNAL) S'-CCG CGG TGA ATG GAG CCA CTG- 3' [332-342] ANTISENSE	HEME OXYGENASE-1 (EUR J BIOCHEM 1988; 171: 457-61) NM 002133 SENSE (EXTERNAL) 5' - AGG AGA TTG AGC GCA ACA AG- 3' [268-288] SENSE (INTERNAL) 5' - GGA GCA GGA CCT GGC CTT CTG G- 3' [347-368] ANTISENSE 5' - GCT CTG GTC CTT GGT GTC AT- 3' [748-768]
SIZE OF CDNAS AND COMPETITORS	A20 CT	BCL-X CT BCL-X	HO-1 CT HO-1 SO 200 300 400 500 (BASE PAIRS)



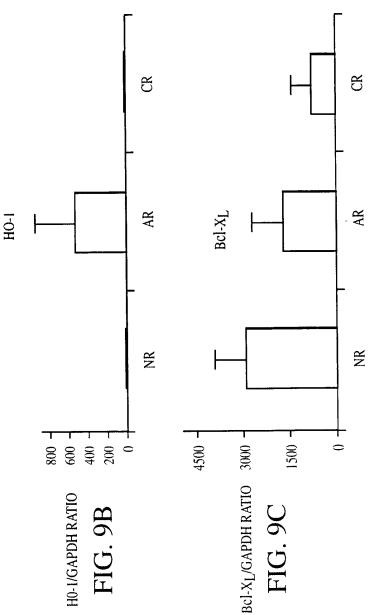




 $\mathbb{C}^{\mathbb{R}}$

AR

X.



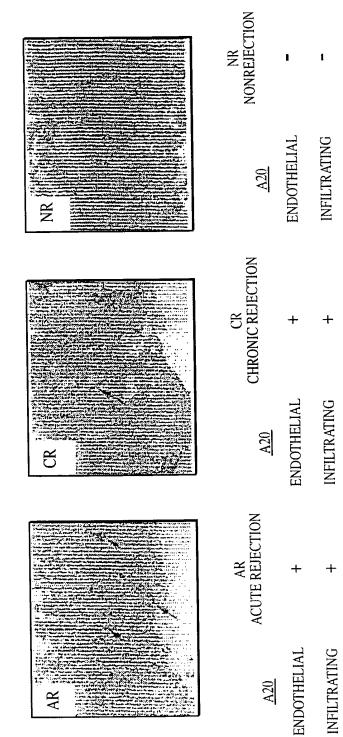


FIG. 10C

FIG. 10B

FIG. 10A

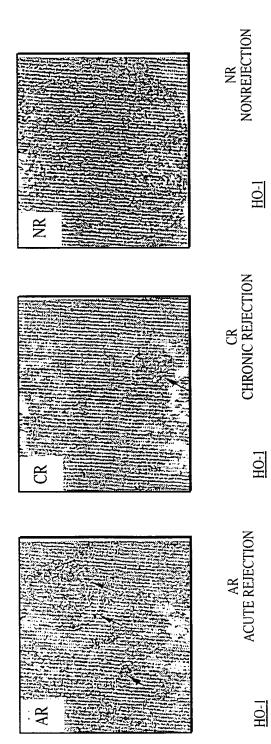


FIG. 10F INFILTRATING TUBULAR INFILTRATING TUBULAR FIG. 10D INFILTRATING

ENDOTHELIAL

ENDOTHELIAL

ENDOTHELIAL

TUBULAR

NR NONREJECTION ENDOTHELIAL Bcl-XL

CR CHRONIC REJECTION

FIG. 10I

ENDOTHELIAL

ENDOTHELIAL

Bcl-XL

Bcl-X_L

AR ACUTE REJECTION

FIG. 10H